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(FILE 'USPAT' ENTERED AT 18:25:18 ON 28 JUN 1999)

L1 67592 S CARD#
L2 1596 S SMART(W)L1
L3 64 S INTELLIGENT(W)L1
L4 1633 S L2 OR L3
L5 27197 S (MULTI### OR DUAL) (2W) (PROTOCOL# OR FUNCTION#)
L6 9 S L4(P)L5
L7 3937 S (MULTI### OR DUAL OR DIFFERENT OR VARIETY OR VARIOUS) (2W
) PR
L8 5 S L7(P)L4
L9 2 S SARAT, ?/IN
L10 0 S L9 AND PROTOCOL#
L11 0 S L9 AND SMART CARD#
E L9
L12 60 S (MULTI### OR DUAL) (W) (FUNCTION# OR PROTOCOL#) (2W) CARD#
L13 3 S L12 AND L4

L22 ANSWER 4 OF 46 USPATFULL

AN 1999:79763 USPATFULL

TI System for securely exchanging data with smart cards

IN Lee, Philip S., c/o Applied Systems Institute, Inc., 1420 K St., NW.,
Suite 400, Washington, DC, United States 20005

PI US 5923759 19990713

AI US 1997-950790 19971015 (8)

RLI Continuation of Ser. No. US 1995-426110, filed on 20 Apr 1995, now
abandoned

DT Utility

EXNAM Primary Examiner: Hayes, Gail O.; Assistant Examiner: Laufer, Pinchus
M.

LREP Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

CLMN Number of Claims: 16

ECL Exemplary Claim: 1

DRWN 4 Drawing Figure(s); 4 Drawing Page(s)

LN.CNT 620

DETD CAPI 410 allows application programs to communicate with different
types

of cards using different protocols without
the need for the application programs to be card specific. Application
layer 412 is the primary interface between the cards and the
application

programs and provides management of the smart card environment through
simplified industry specific tool sets. The card layer 414 provides
direct access to the smart card functions. ISO layer 416 controls

system

functions of the card units, which functions have already been
conformed

or established as industry standards. Since a smart card is a computer
with its own chip operating system (COS), when the card is powered on

or

reset, the card returns an "ANSWER-TO-RESET" (ATR) to a terminal (e.g.,
card reader). Card layer 414 processes the ATR and translates
application layer 412 calls into card dependent commands, and passes

the

commands to the ISO layer 416. Hence, the application remains
transparent to changes of card or system. CAPI allows applications to
remain the same for different card manufacturers or COSs.

L22 ANSWER 7 OF 46 USPATFULL

AN 1999:28014 USPATFULL

TI Communication card with telephone line interlock and cellular
interconnect

IN Hollenbach, Keith Eugene, Kutztown, PA, United States

Laturell, Donald Raymond, Upper Macungie, PA, United States

Witmer, Steven Brooke, Sinking Spring, PA, United States

PA Lucent Technologies, Inc., Murry Hill, DE, United States (U.S.

corporation)

PI US 5877565 19990302

AI US 1998-28473 19980224

DT Utility

EXNAM Primary Examiner: Paladini, Albert W.

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN 6 Drawing Figure(s); 5 Drawing Page(s)

LN.CNT 461

SUMM A PCMCIA card is a small, credit card size device which can generally contain anything from additional random access memory (RAM) to fax/modems to network interfaces. PCMCIA slots which accept a PCMCIA card are present on most new portable computers and many PDAs. Many **different communication protocols** may be present in PCMCIA communication **card** modems, either separately or in combination.

L22 ANSWER 17 OF 46 USPATFULL

AN 1998:31920 USPATFULL

TI Method and apparatus for displaying business cards

IN Dickinson, Robert David, Hayward, CA, United States

PA Object Technology Licensing Corporation, Cupertino, CA, United States (U.S. corporation)

PI US 5732229 19980324

AI US 1996-662516 19960613 (8)

RLI Continuation of Ser. No. US 1993-7660, filed on 22 Jan 1993, now abandoned

DT Utility

EXNAM Primary Examiner: Lall, Parshotam S.; Assistant Examiner: Coulter, Kenneth R.

LREP Bookstein & Kudirka

CLMN Number of Claims: 25

ECL Exemplary Claim: 24

DRWN 12 Drawing Figure(s); 9 Drawing Page(s)

LN.CNT 834

DETD Business cards are constructed to provide network and non-network communications. In particular, the present invention provides address information for establishing network connections. This might include simple protocol addresses such as a TCP/IP numeric address or a sophisticated stack definition. Non-network communications, such as phone dialing, are also supported by the present invention. Further, business cards store information that concern various types of connections. Such information includes different protocol families, electronic mail addresses, and phone and facsimile information. Moreover, business **cards** contain information to support **multiple protocol** address types such as BabelFish stack definitions which include AppleTalk and TCP/IP.

L22 ANSWER 22 OF 46 USPATFULL

AN 1998:10201 USPATFULL

TI Just-in-time requisition and inventory management system

IN Johnson, James M., Bridgeville, PA, United States

Momyer, Douglas A., Upper St. Clair, PA, United States

PA Fisher Scientific Company, Pittsburgh, PA, United States (U.S. corporation)

PI US 5712989 19980127

AI US 1993-42168 19930402 (8)

DT Utility

EXNAM Primary Examiner: Black, Thomas G.; Assistant Examiner: Alam, Hosain T.

LREP Tabachnick, Gene A. Reed Smith Shaw & McClay

CLMN Number of Claims: 38

ECL Exemplary Claim: 1

DRWN 12 Drawing Figure(s); 12 Drawing Page(s)

LN.CNT 2974

DETD Local computer 40, which can be any microcomputer or workstation having adequate memory and communications capabilities, preferably includes 8 to 16 megabytes of RAM and a hard disk drive of 300 to 600 megabytes. Local computer 40 also preferably includes a **Multi-Protocol Adapter communications card**, or a similar communications **card**, capable of supporting the LU.6.2 communications protocol (available from IBM). Local computer 40 includes a color monitor 41 and a conventional alphanumeric keyboard 42 including